



Sharper Image iPulse SI325 Auxiliary Input Replacement

Use this guide to replace the auxiliary input of the Sharper Image iPulse SI325.

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INTRODUCTION

This guide will demonstrate how to replace the Auxiliary Input, located in the back of the device. There is soldering required, so if you need assistant please read this soldering technique [page](#).



TOOLS:

- [Phillips #1 Screwdriver](#) (1)
 - [Phillips #2 Screwdriver](#) (1)
 - [Soldering Station](#) (1)
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Step 1 — Outer Case




- Gently position the device so that the buttons and speakers lie face down.
- Unplug the power cord from the "DC Input."


Step 2



- Remove the four 12mm phillips head #2 screws located along the outer edge of the white case.

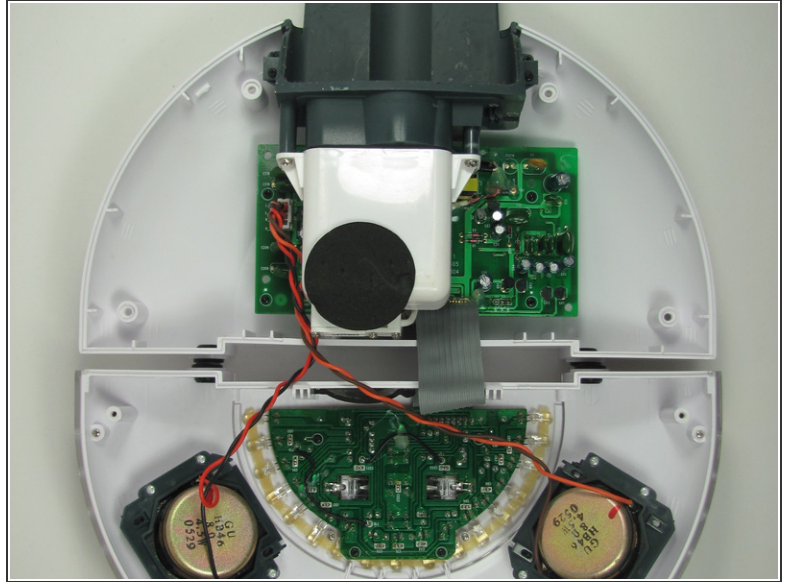
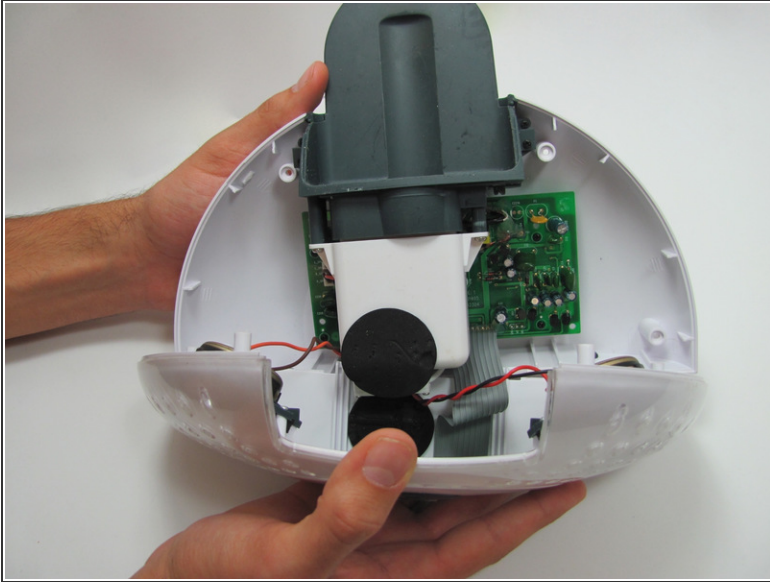
 Be careful! There are two small, easily-broken, plastic tabs at the bottom of the device keeping it together.

- Once you remove the screws, pick the device up so that the grey label on the bottom of the device faces toward you.
- With your thumbs on either side of the grey label, slowly push with both thumbs until the case pops open.

 A small gap will open as the two tabs are released.

 Do not pull the two halves apart yet. They are held together by the speaker wire.

Step 3



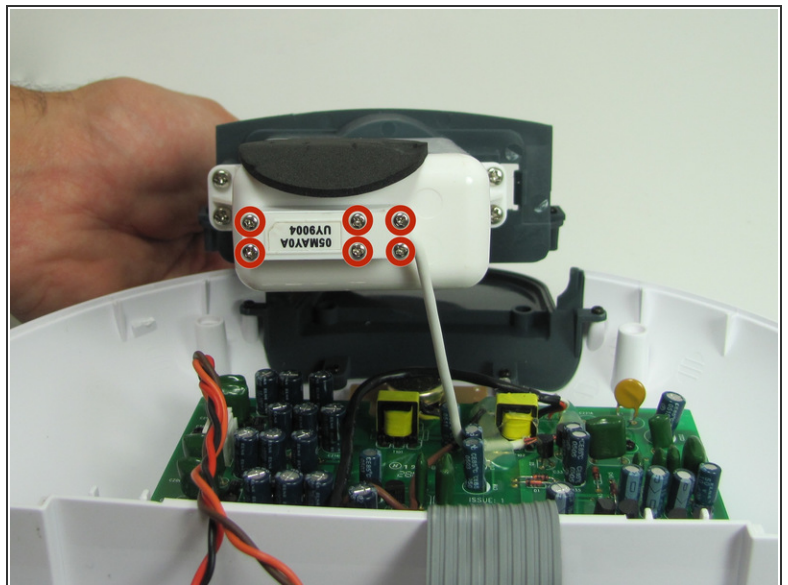
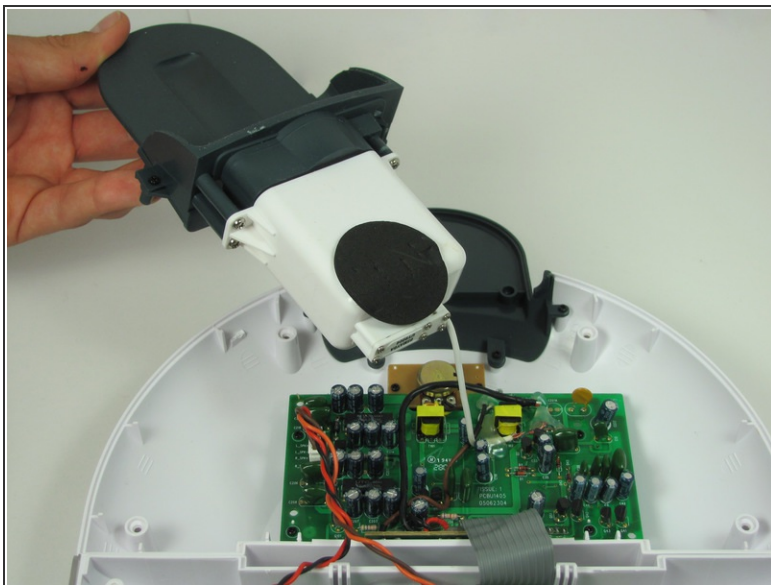
- Grip both sides of the top round part of the case and carefully open it like a clam. The bottom of the two halves are connected by the speaker wire. Do not separate by more than 1 centimeter.
- Grip either side of the top round part of the case and carefully open the device to reveal all the hidden treasures inside!
- Lay the device down, so that all the internal components are facing upwards.

Step 4 — Auxiliary Input



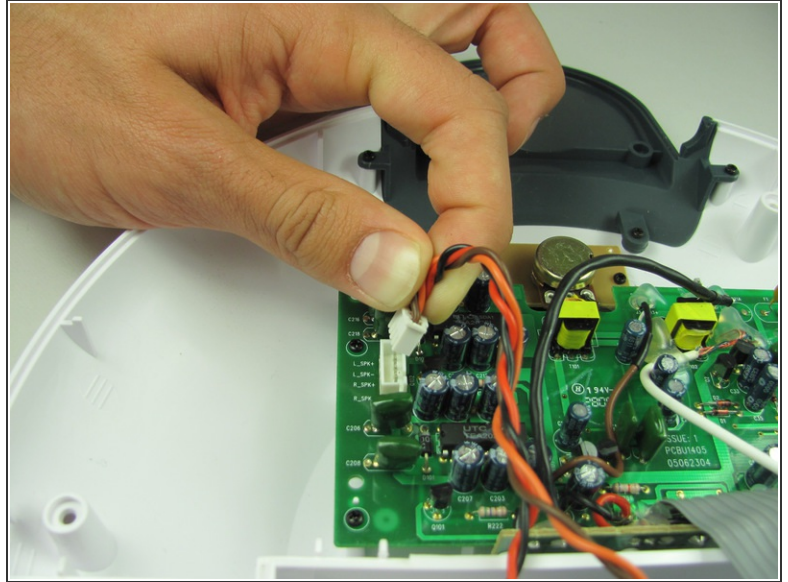
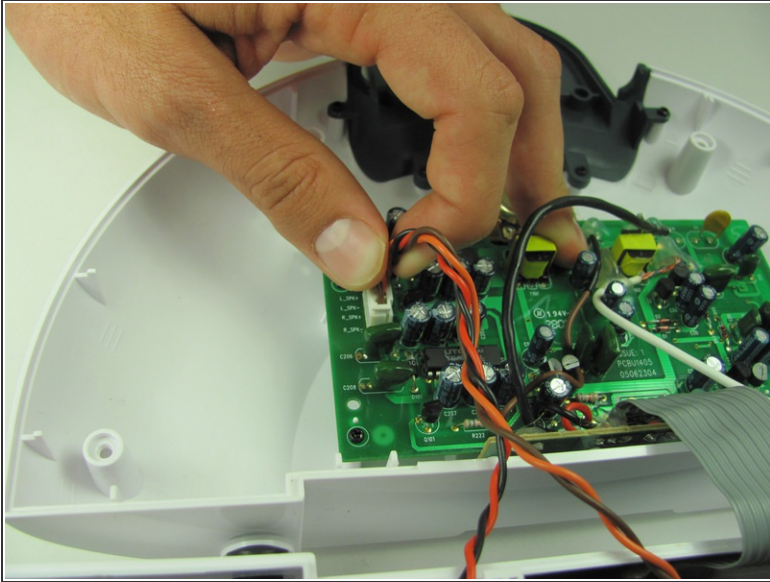
- Turn the device over so that the internals are facing down; the Light Intensity Dial will be facing you.
- Remove the three 7mm Phillips #1 screws connecting the Zipconnect unit.

Step 5



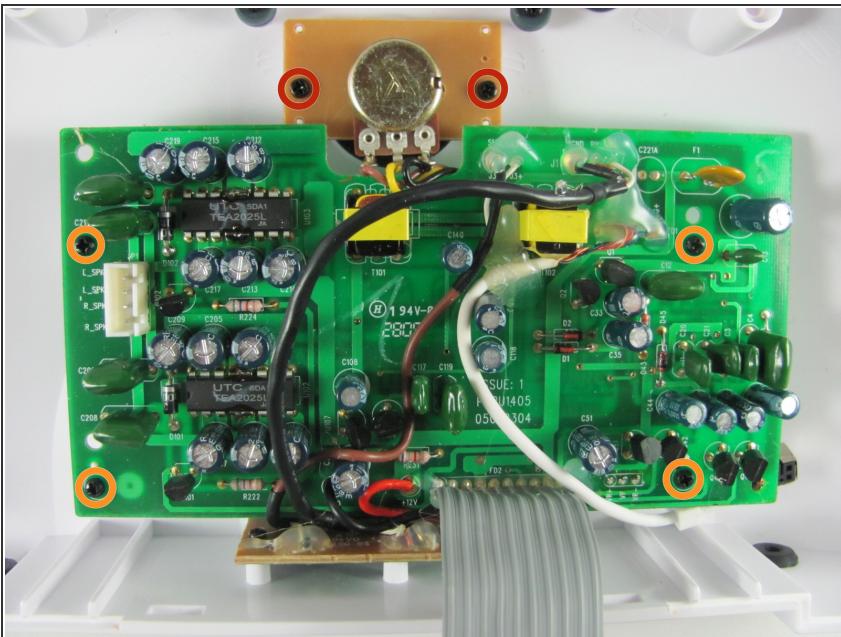
- Turn the device over again so you are looking at the internals.
- ⓘ The Zipconnect unit will lift out but will still be attached by a wire connected to the motherboard.
- Remove the six 7mm Phillips #1 screws attaching the Zipconnect unit to the motherboard wire and set the unit out of the way.

Step 6



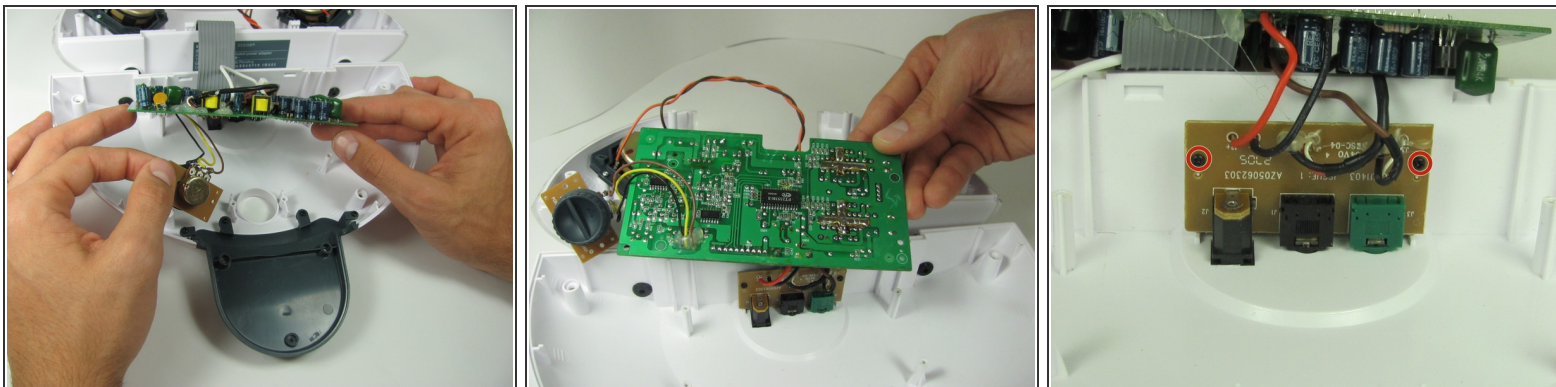
- Next, disconnect the speaker wire from the motherboard by gripping the wires as close to the connection as possible and pulling the connector out.
- ⓘ Moving the connector back and forth as you pull will make removal easier.

Step 7



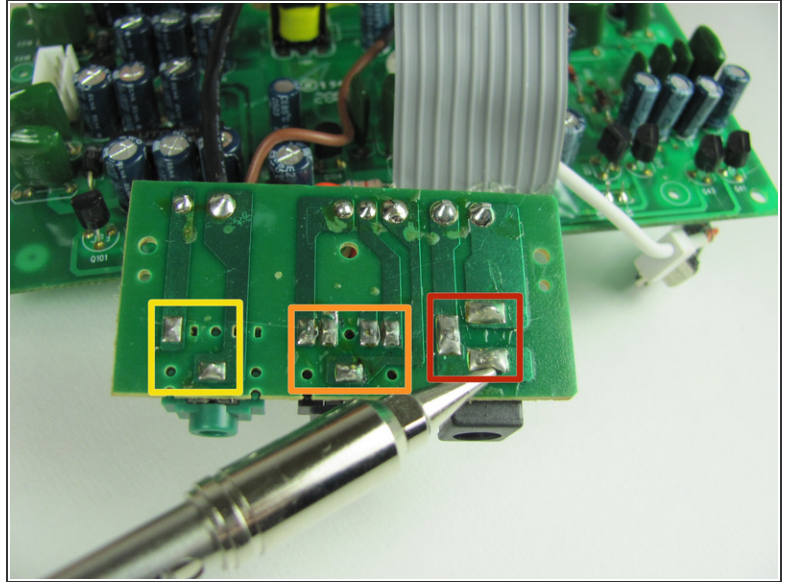
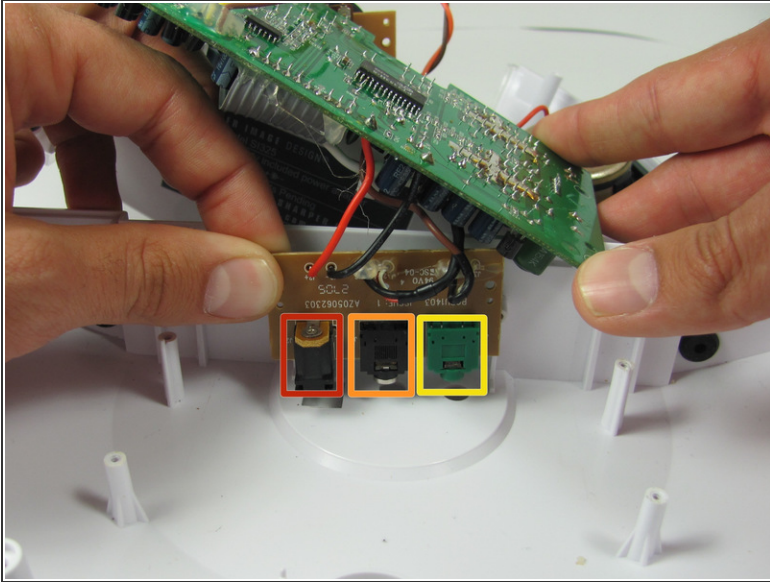
- Remove the two 11mm Phillips #1 screws attaching the small brown circuit board to the plastic case.
- Also remove the four 11mm Phillips #1 screws attaching the motherboard to the plastic case.

Step 8



- Lift up on the motherboard and light intensity dial circuit board to expose the circuit board containing the auxiliary input, sub input, and DC input.
- Remove the two 7mm Phillips #1 screws attaching the brown circuit board with all of the inputs.

Step 9



- Lift up the circuit board containing the Auxillary, DC, and sub inputs and move the lower case out of the way.
- Turn the circuit board over so the solder is visible. Depending on which input is broken remove the solder connecting either the Auxillary, DC, or Sub input.
- DC input
- Auxillary Input
- Sub Input

To reassemble your device, follow these instructions in reverse order.

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